Real01 for No.9844

$$No01 = \begin{bmatrix} p(x) = c\,x^5 + a\,x^3 + 4\,x^4 + 2\,x^2 - 3\,x + 1 \\ q(x) = -3\,x + 2\,x^2 - x^3 + x^5 + 4\,x^4 - b \end{bmatrix}$$

$$No02 = \begin{bmatrix} p(x) = x^2 - 4 \\ q(x) = 3\,x^2 + 5\,x + 1 \\ m = 3 \\ n = 4 \end{bmatrix}$$

$$No03 = \begin{bmatrix} p(x) = x^2 - 4\,x + 4 \\ q(x) = x^3 - 4\,x^2 - 3 \end{bmatrix}$$

$$No04 = (Eq = [x^2 + 7\,x - 8 = (x - a)\,(x - b)])$$

$$No05 = (Eq = [x^2 - 10\,x + 74 = (x - a)^2 + b^2])$$

$$No06 = [D(x) = x^2 + 2, Q(x) = x^2 - 5\,x, R(x) = 2\,x - 7]$$

$$No07 = \begin{bmatrix} .1 = \begin{bmatrix} a(x) = 2\,x^5 + x^3 + 3\,x^2 + 2\,x - 3 \\ b(x) = x \end{bmatrix} & .2 = \begin{bmatrix} a(x) = 2\,x^5 + x^3 + 3\,x^2 + 2\,x - 3 \\ b(x) = x^3 \end{bmatrix} \\ .3 = \begin{bmatrix} a(x) = x^3 - 5 \\ b(x) = x^2 - 6 \end{bmatrix} & .4 = \begin{bmatrix} a(x) = x^4 + 3\,x^3 + 3\,x^2 - 3 \\ b(x) = x - 3 \end{bmatrix} \\ .5 = \begin{bmatrix} a(x) = 3\,x^5 - 2 \\ b(x) = x^2 + 3 \end{bmatrix} & .6 = \begin{bmatrix} a(x) = x^6 + 3\,x^3 - 2 \\ b(x) = x^3 - 3 \end{bmatrix} \end{bmatrix}$$



:
:
:
:
:
:
:
:
:
:

Real01 for No.9872

$$No01 = \begin{bmatrix} p(x) = -3x^4 + 5x^5 - 4x^3 + 2 - cx^2 \\ q(x) = -ax^4 + 5x^5 - 4x^3 + bx - x^2 + 2 \end{bmatrix}$$

$$No02 = \begin{bmatrix} p(x) = x^2 - 1 \\ q(x) = 3x^2 + 5x - 2 \\ m = 2 \\ n = 3 \end{bmatrix}$$

$$No03 = \begin{bmatrix} p(x) = x^3 + 4x^2 - 6 \\ q(x) = x^2 + 3x - 6 \end{bmatrix}$$

$$No04 = (Eq = [x^2 - 14x + 48 = (x-a)(x-b)])$$

$$No05 = (Eq = [x^2 - 6x + 58 = (x-a)^2 + b^2])$$

$$No06 = [D(x) = x^2 - 2, Q(x) = x^2 + x, R(x) = 6x + 7]$$

$$No07 = \begin{bmatrix} .1 = \begin{bmatrix} a(x) = 3x^5 + 2x^4 + 4x^3 + 2x^2 + x - 2 \\ b(x) = x^2 \end{bmatrix} & .2 = \begin{bmatrix} a(x) = 3x^5 + 2x^4 + 4x^3 + 2x^2 + x - 2 \\ b(x) = x^3 \end{bmatrix} \\ .3 = \begin{bmatrix} a(x) = x^3 - 2 \\ b(x) = x^2 - 4 \end{bmatrix} & .4 = \begin{bmatrix} a(x) = x^4 + 2x^3 - 4x^2 - x + 3 \\ b(x) = x - 3 \end{bmatrix} \\ .5 = \begin{bmatrix} a(x) = 4x^5 + 3 \\ b(x) = x^2 - 2 \end{bmatrix} & .6 = \begin{bmatrix} a(x) = x^6 + 4x^3 - 5 \\ b(x) = x^3 - 2 \end{bmatrix} \end{bmatrix}$$


:
:
:
:
:
:
:
:
:
:

Real01 for No.9873

$$No01 = \begin{bmatrix} p(x) = -2x^3 - 2 + a x^2 + b x^5 \\ q(x) = 4x^5 - 2x^3 - 4x^2 - c \end{bmatrix}$$

$$No02 = \begin{bmatrix} p(x) = x^2 + 1 \\ q(x) = 4x^2 + 3x - 3 \\ m = 2 \\ n = 3 \end{bmatrix}$$

$$No03 = \begin{bmatrix} p(x) = x^2 - 4x + 4 \\ q(x) = x^4 + 4x^2 - 3 \end{bmatrix}$$

$$No04 = (Eq = [x^2 + 9x + 14 = (x - a)(x - b)])$$

$$No05 = (Eq = [x^2 + 14x + 53 = (x - a)^2 + b^2])$$

$$No06 = [D(x) = x^2 - x, Q(x) = x^2 - 6, R(x) = 2x + 7]$$

$$No07 = \begin{bmatrix} .1 = \begin{bmatrix} a(x) = 4x^5 - x^4 - 2x^3 + x^2 + x - 4 \\ b(x) = x \end{bmatrix} & .2 = \begin{bmatrix} a(x) = 4x^5 - x^4 - 2x^3 + x^2 + x - 4 \\ b(x) = x^4 \end{bmatrix} \\ .3 = \begin{bmatrix} a(x) = x^3 - 1 \\ b(x) = x^2 - 2 \end{bmatrix} & .4 = \begin{bmatrix} a(x) = x^4 + 2x^3 - 3x - 2 \\ b(x) = x - 2 \end{bmatrix} \\ .5 = \begin{bmatrix} a(x) = 4x^5 + 5 \\ b(x) = x^2 + 1 \end{bmatrix} & .6 = \begin{bmatrix} a(x) = x^6 + 2x^3 + 3 \\ b(x) = x^3 - 2 \end{bmatrix} \end{bmatrix}$$


:
:
:
:
:
:
:
:
:
:

Real01 for No.9884

$$No01 = \begin{bmatrix} p(x) = 4x^5 + 2x^3 + x^2 + 3x + bx^4 \\ q(x) = 4x^5 - ax^3 + 3x^4 + cx + x^2 \end{bmatrix}$$

$$No02 = \begin{bmatrix} p(x) = x^2 + 4 \\ q(x) = 4x^2 - 3x + 5 \\ m = 5 \\ n = 3 \end{bmatrix}$$

$$No03 = \begin{bmatrix} p(x) = x^3 + 5x^2 + 2 \\ q(x) = x^2 + 4x - 4 \end{bmatrix}$$

$$No04 = (Eq = [x^2 + 7x + 6 = (x - a)(x - b)])$$

$$No05 = (Eq = [x^2 + 14x + 58 = (x - a)^2 + b^2])$$

$$No06 = [D(x) = x^2 - 5, Q(x) = x^2 + 3x, R(x) = 5x + 4]$$

$$No07 = \begin{bmatrix} .1 = \begin{bmatrix} a(x) = 3x^5 + 3x^3 + 2x^2 - x - 4 \\ b(x) = x \end{bmatrix} & .2 = \begin{bmatrix} a(x) = 3x^5 + 3x^3 + 2x^2 - x - 4 \\ b(x) = x^3 \end{bmatrix} \\ .3 = \begin{bmatrix} a(x) = x^3 + 6 \\ b(x) = x^2 + 3 \end{bmatrix} & .4 = \begin{bmatrix} a(x) = x^4 + 2x^3 + 3x^2 - x + 1 \\ b(x) = x + 3 \end{bmatrix} \\ .5 = \begin{bmatrix} a(x) = 2x^5 - 3 \\ b(x) = x^2 - 1 \end{bmatrix} & .6 = \begin{bmatrix} a(x) = x^6 + 5x^3 + 3 \\ b(x) = x^3 - 2 \end{bmatrix} \end{bmatrix}$$


:
:
:
:
:
:
:
:
:
:

Real01 for No.9885

$$No01 = \begin{bmatrix} p(x) = 2x^5 - 2x^4 - 2x^3 + 2x^2 - c + x \\ q(x) = 2x^5 - 2x^3 + x + a x^2 - b x^4 \end{bmatrix}$$

$$No02 = \begin{bmatrix} p(x) = x^2 + 2 \\ q(x) = 2x^2 - 2x + 1 \\ m = 4 \\ n = 3 \end{bmatrix}$$

$$No03 = \begin{bmatrix} p(x) = x^2 - 3x - 6 \\ q(x) = x^4 - 2x^3 + 4 \end{bmatrix}$$

$$No04 = (Eq = [x^2 + 3x - 18 = (x - a)(x - b)])$$

$$No05 = (Eq = [x^2 + 6x + 13 = (x - a)^2 + b^2])$$

$$No06 = [D(x) = x^2 - 3, Q(x) = x^2 - x, R(x) = 3x + 2]$$

$$No07 = \begin{bmatrix} .1 = \begin{bmatrix} a(x) = 2x^5 - 4x^4 - x^3 + 3x^2 - 3 \\ b(x) = x \end{bmatrix} & .2 = \begin{bmatrix} a(x) = 2x^5 - 4x^4 - x^3 + 3x^2 - 3 \\ b(x) = x^4 \end{bmatrix} \\ .3 = \begin{bmatrix} a(x) = x^3 - 6 \\ b(x) = x^2 + 4 \end{bmatrix} & .4 = \begin{bmatrix} a(x) = x^4 + x^3 + 2x^2 + 4 \\ b(x) = x + 3 \end{bmatrix} \\ .5 = \begin{bmatrix} a(x) = 3x^5 - 2 \\ b(x) = x^2 - 1 \end{bmatrix} & .6 = \begin{bmatrix} a(x) = x^6 + 5x^3 + 3 \\ b(x) = x^3 + 3 \end{bmatrix} \end{bmatrix}$$


:
:
:
:
:
:
:
:
:
:

Real01 for No.9895

$$No01 = \begin{bmatrix} p(x) = -c\,x^5 + x^4 - 3\,x^3 + x^2 - 3\,x + 4 \\ q(x) = 4 - 3\,x + x^2 + 3\,x^5 + a\,x^4 + b\,x^3 \end{bmatrix}$$

$$No02 = \begin{bmatrix} p(x) = x^2 - 4 \\ q(x) = 3\,x^2 - 2\,x - 1 \\ m = 3 \\ n = 5 \end{bmatrix}$$

$$No03 = \begin{bmatrix} p(x) = x^4 - 6\,x - 5 \\ q(x) = x^2 - 5\,x + 3 \end{bmatrix}$$

$$No04 = (Eq = [x^2 + 10\,x + 9 = (x - a)\,(x - b)])$$

$$No05 = (Eq = [x^2 + 6\,x + 10 = (x - a)^2 + b^2])$$

$$No06 = [D(x) = x^2 + 6\,x,\ Q(x) = x^2 - 4,\ R(x) = 5\,x + 3]$$

$$No07 = \begin{bmatrix} .1 = \begin{bmatrix} a(x) = 5\,x^5 + 4\,x^4 - 3\,x^3 \\ b(x) = x \end{bmatrix} & .2 = \begin{bmatrix} a(x) = 5\,x^5 + 4\,x^4 - 3\,x^3 \\ b(x) = x^3 \end{bmatrix} \\ .3 = \begin{bmatrix} a(x) = x^3 + 2 \\ b(x) = x^2 + 5 \end{bmatrix} & .4 = \begin{bmatrix} a(x) = x^4 + x^3 + 3\,x - 3 \\ b(x) = x + 2 \end{bmatrix} \\ .5 = \begin{bmatrix} a(x) = 4\,x^5 + 5 \\ b(x) = x^2 - 2 \end{bmatrix} & .6 = \begin{bmatrix} a(x) = x^6 + 5\,x^3 + 6 \\ b(x) = x^3 + 1 \end{bmatrix} \end{bmatrix}$$


:
:
:
:
:
:
:
:
:
:

Real01 for No.9898

$$No01 = \begin{bmatrix} p(x) = 4 + 2x^5 + x^4 - 2x^2 - ax + bx^3 \\ q(x) = 2x^5 + x^4 - 3x^3 - 2x^2 - c - 4x \end{bmatrix}$$

$$No02 = \begin{bmatrix} p(x) = x^2 + 5 \\ q(x) = 4x^2 - 3x - 4 \\ m = 2 \\ n = 5 \end{bmatrix}$$

$$No03 = \begin{bmatrix} p(x) = x^3 - 3x^2 + 3 \\ q(x) = x^2 - 5x - 4 \end{bmatrix}$$

$$No04 = (Eq = [x^2 + x - 12 = (x - a)(x - b)])$$

$$No05 = (Eq = [x^2 - 12x + 52 = (x - a)^2 + b^2])$$

$$No06 = [D(x) = x^2 + 7, Q(x) = x^2 - 4x, R(x) = 5x + 2]$$

$$No07 = \begin{bmatrix} .1 = \begin{bmatrix} a(x) = x^5 + x^4 - 3x^3 + 4x - 2 \\ b(x) = x \end{bmatrix} & .2 = \begin{bmatrix} a(x) = x^5 + x^4 - 3x^3 + 4x - 2 \\ b(x) = x^3 \end{bmatrix} \\ .3 = \begin{bmatrix} a(x) = x^3 + 7 \\ b(x) = x^2 + 7 \end{bmatrix} & .4 = \begin{bmatrix} a(x) = x^4 + 5x^3 + 2x - 5 \\ b(x) = x + 3 \end{bmatrix} \\ .5 = \begin{bmatrix} a(x) = 3x^5 - 2 \\ b(x) = x^2 + 2 \end{bmatrix} & .6 = \begin{bmatrix} a(x) = x^6 + 4x^3 - 5 \\ b(x) = x^3 + 1 \end{bmatrix} \end{bmatrix}$$


:
:
:
:
:
:
:
:
:
:

Real01 for No.9899

$$No01 = \begin{bmatrix} p(x) = 3x^5 + 4x^4 + a x^2 - x^3 - 3x + 2 \\ q(x) = 3x^2 - x^3 + 3x^5 + 4x^4 - b + c x \end{bmatrix}$$

$$No02 = \begin{bmatrix} p(x) = x^2 - 4 \\ q(x) = 2x^2 - 3x + 1 \\ m = 4 \\ n = 3 \end{bmatrix}$$

$$No03 = \begin{bmatrix} p(x) = x^2 - 6x - 4 \\ q(x) = x^3 + 3x^2 + 2 \end{bmatrix}$$

$$No04 = (Eq = [-x + x^2 - 12 = (x - a)(x - b)])$$

$$No05 = (Eq = [x^2 + 12x + 61 = (x - a)^2 + b^2])$$

$$No06 = [D(x) = x^2 + 5x, Q(x) = x^2 - 3, R(x) = 4x - 7]$$

$$No07 = \begin{bmatrix} .1 = \begin{bmatrix} a(x) = 3x^5 + 4x^4 + 4x^3 + x^2 + 4x + 3 \\ b(x) = x^2 \end{bmatrix} & .2 = \begin{bmatrix} a(x) = 3x^5 + 4x^4 + 4x^3 + x^2 + 4x + 3 \\ b(x) = x^4 \end{bmatrix} \\ .3 = \begin{bmatrix} a(x) = x^3 + 5 \\ b(x) = x^2 - 7 \end{bmatrix} & .4 = \begin{bmatrix} a(x) = x^4 + 5x^3 - 4x^2 - 3x + 5 \\ b(x) = x - 3 \end{bmatrix} \\ .5 = \begin{bmatrix} a(x) = 4x^5 + 3 \\ b(x) = x^2 + 3 \end{bmatrix} & .6 = \begin{bmatrix} a(x) = x^6 + 5x^3 - 4 \\ b(x) = x^3 - 2 \end{bmatrix} \end{bmatrix}$$


:
:
:
:
:
:
:
:
:
:

Real01 for No.9920

$$No01 = \begin{bmatrix} p(x) = -x^4 + 4x^5 - x^3 - 4x^2 - x + c \\ q(x) = -a\,x^4 + 4x^5 - b\,x^2 - x^3 - x - 2 \end{bmatrix}$$

$$No02 = \begin{bmatrix} p(x) = x^2 + 2 \\ q(x) = 3x^2 - 5x - 2 \\ m = 3 \\ n = 2 \end{bmatrix}$$

$$No03 = \begin{bmatrix} p(x) = x^2 + 6x - 3 \\ q(x) = x^3 - 6x^2 - 5 \end{bmatrix}$$

$$No04 = (Eq = [x^2 - 7x - 8 = (x-a)(x-b)])$$

$$No05 = (Eq = [x^2 + 2x + 26 = (x-a)^2 + b^2])$$

$$No06 = [D(x) = x^2 + 6,\ Q(x) = x^2 - 7x,\ R(x) = 2x + 7]$$

$$No07 = \begin{bmatrix} .1 = \begin{bmatrix} a(x) = x^5 + 3x^4 + 4x^2 \\ b(x) = x^2 \end{bmatrix} & .2 = \begin{bmatrix} a(x) = x^5 + 3x^4 + 4x^2 \\ b(x) = x^3 \end{bmatrix} \\ .3 = \begin{bmatrix} a(x) = x^3 + 7 \\ b(x) = x^2 + 4 \end{bmatrix} & .4 = \begin{bmatrix} a(x) = x^4 + x^3 - 2x^2 - 3x + 4 \\ b(x) = x + 2 \end{bmatrix} \\ .5 = \begin{bmatrix} a(x) = 4x^5 + 5 \\ b(x) = x^2 - 3 \end{bmatrix} & .6 = \begin{bmatrix} a(x) = x^6 + 6x^3 - 5 \\ b(x) = x^3 - 1 \end{bmatrix} \end{bmatrix}$$


:
:
:
:
:
:
:
:
:
:

Real01 for No.10000

$$No01 = \begin{bmatrix} p(x) = 3x^5 + 4x^3 + 2x^2 + x + a + bx^4 \\ q(x) = 3x^5 + 2x^4 - cx^2 + 4x^3 + x + 1 \end{bmatrix}$$

$$No02 = \begin{bmatrix} p(x) = x^2 + 2 \\ q(x) = 3x^2 + 4x + 3 \\ m = 2 \\ n = 5 \end{bmatrix}$$

$$No03 = \begin{bmatrix} p(x) = x^2 - 5x + 2 \\ q(x) = x^4 - 5x^2 - 6 \end{bmatrix}$$

$$No04 = (Eq = [x^2 + 8x + 12 = (x - a)(x - b)])$$

$$No05 = (Eq = [x^2 + 4x + 29 = (x - a)^2 + b^2])$$

$$No06 = [D(x) = x^2 - 3, Q(x) = x^2 - 7x, R(x) = 5x - 3]$$

$$No07 = \begin{bmatrix} .1 = \begin{bmatrix} a(x) = 2x^5 - 3x^4 + 2x^3 + 4x^2 - 2 \\ b(x) = x^2 \end{bmatrix} & .2 = \begin{bmatrix} a(x) = 2x^5 - 3x^4 + 2x^3 + 4x^2 - 2 \\ b(x) = x^4 \end{bmatrix} \\ .3 = \begin{bmatrix} a(x) = x^3 - 2 \\ b(x) = x^2 - 3 \end{bmatrix} & .4 = \begin{bmatrix} a(x) = x^4 + x^3 + 4x^2 + 3x - 2 \\ b(x) = x + 2 \end{bmatrix} \\ .5 = \begin{bmatrix} a(x) = 4x^5 + 5 \\ b(x) = x^2 - 2 \end{bmatrix} & .6 = \begin{bmatrix} a(x) = x^6 + 5x^3 - 3 \\ b(x) = x^3 + 2 \end{bmatrix} \end{bmatrix}$$


:
:
:
:
:
:
:
:
:
:

XXXX

XXXX

XXXX

XXXX

XXXX

XXXX

XXXX

XXXX

XXXX

XXXX

XXXX

XXXX

XXXX

XXXX

XXXX

XXXX

XXXX

XXXX

XXXX

XXXX

XXXX

XXXX

XXXX

XXXX

XXXX

XXXX

XXXX

XXXX

XXXX

xxxx